

CLASSIFICATION CONFIDENTIAL
CENTRAL INTELLIGENCE AGENCY
INFORMATION FROM
FOREIGN DOCUMENTS OR RADIO BROADCASTS

CD NO.

DATE OF INFORMATION 1953

DATE DIST. // May 1954

NO. OF PAGES 3

SUPPLEMENT TO
REPORT NO.

LANGUAGE Russian

THIS IS UNEVALUATED INFORMATION

SOURCE As indicated

MACHINE TOOLS DEVELOPED IN USSR

BEGINS SERIES PRODUCTION OF PIPE-THREADING MACHINE -- Moscow, Vestnik
Mashinostroyeniya, Jul 53

Series production of a machine for threading pipes up to 115 millimeters in diameter and 6 meters long has been started at the Novosibirsk Machine Tool Building Plant imeni 16 Parts'yezd. The pipe to be machined is fed through a hollow spindle, clamped by two 3-jaw chucks, and rotated with the spindle. The free end of the pipe is supported by a rest.

SHORTEN PRODUCTION CYCLE IN MANUFACTURE OF BORING MACHINES -- Kishinev,
Sovetskaya Moldaviya, 27 Nov 53

On 25 November, the Leningrad Machine Tool Building Plant imeni Sverdlov made a regular shipment of Model 262-7 boring machines to metalworking enterprises in the USSR. The machine tools were manufactured in a short time by a new high-speed method suggested by foreman V. Bulanov.

Bulanov worked out a technological process in which [several] operations are performed simultaneously. He organized machine-tool assembly in two shifts, which made it possible to shorten the production cycle without increasing the number of workers. One half the number of days are now spent in the assembly of a boring machine as compared with 1952.

The plant personnel have increased the output of products by 25 percent and developed 14 new models of machine tools.

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NEW AUTOMATIC LATHE FOR ROLLER BEARINGS -- Moscow, Vostochny Shirokopro-

Since the beginning of 1953, workers at the Gamel' Machine Tool Building Plant in Moscow have produced 16,000 machines by shortening landing time and intensively introducing advanced methods.

NEW AUTOMATIC LATHE FOR ROLLER BEARINGS -- Moscow, Vostochny Shirokopro-

A new automatic lathe for grinding inner races of roller bearings has been manufactured at the Gamel' Machine Tool Building Plant.

The introduction of a new automatic transfer of pieces from one spindle to another during the grinding process, the selection of the finished part, and the removal of chips are now being carried out automatically on one machine tool.

MODERNIZED AUTOMATIC LATHE FOR GRINDING ROLLER BEARINGS -- Moscow, Vostochny Shirokopro-

A modernized automatic lathe for grinding roller bearings has been built which is based on the Model 3756 surface grinding machine. The modernization replaces the electric feed with a mechanical one.

The machine tool is intended for the abrasive grinding of cylindrical surfaces of shafts, parabolic and conical surfaces, having notches and openings such as grooves and screw threads.

NEW DRILL-GRINDING MACHINE -- Moscow, Vostochny Shirokopro-

A modernized automatic drill-grinding machine is being produced at the Gamel' Machine Tool Building Plant.

To grind a drill, it is mounted in the machine tool for the required drill diameter and the grinding wheel is set. The drill is then inserted in the chuck and the grinding is carried out automatically.

NEW AUTOMATIC DRILL GRINDING MACHINE -- Moscow, Vostochny Shirokopro-

The Gamel' Machine Tool Building Plant has constructed a machine tool for the production of drills of various diameters. The machine tool has a maximum drill diameter of 10 millimeters. The machine tool is intended for the production of drills of various diameters.

On a machine with a feed rate of 0.001 mm/min, the production of drills is carried out with a productivity 50-100 times as compared with the manual method.

The plant's shop is building an entire series of machine tools of one type for the production of drills in a continuous manner.

Series of machine tools for the production of drills have been produced by the Gamel' Machine Tool Building Plant.

New drill-grinding machines have been produced for the first time in the USSR. They are now being produced in quantities and produced earlier.

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NEW SEMIAUTOMATIC LINE FOR HEAT TREATMENT OF TAPS -- Moscow, Vestnik, Mashinostroyeniya, Aug 53

A semiautomatic line for hardening taps has been developed at the Moscow Frezer Plant. Heat treatment is done according to a new technology worked out by a group of plant engineers.

This automatization has made it possible to shorten the production process six to nine times and to decrease the cost of hardening parts by approximately 20 percent.

LOCATION OF FREEZER PLANT -- Moscow, Sovetskaya Kul'tura, 18 Aug 53

A Central Mechanized Base for the All-Union Book Trade Organization will be a five-story building for which the foundations have been dug. The base is to be located in the neighborhood of the Frezer Plant in Karacharovo near Moscow.

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